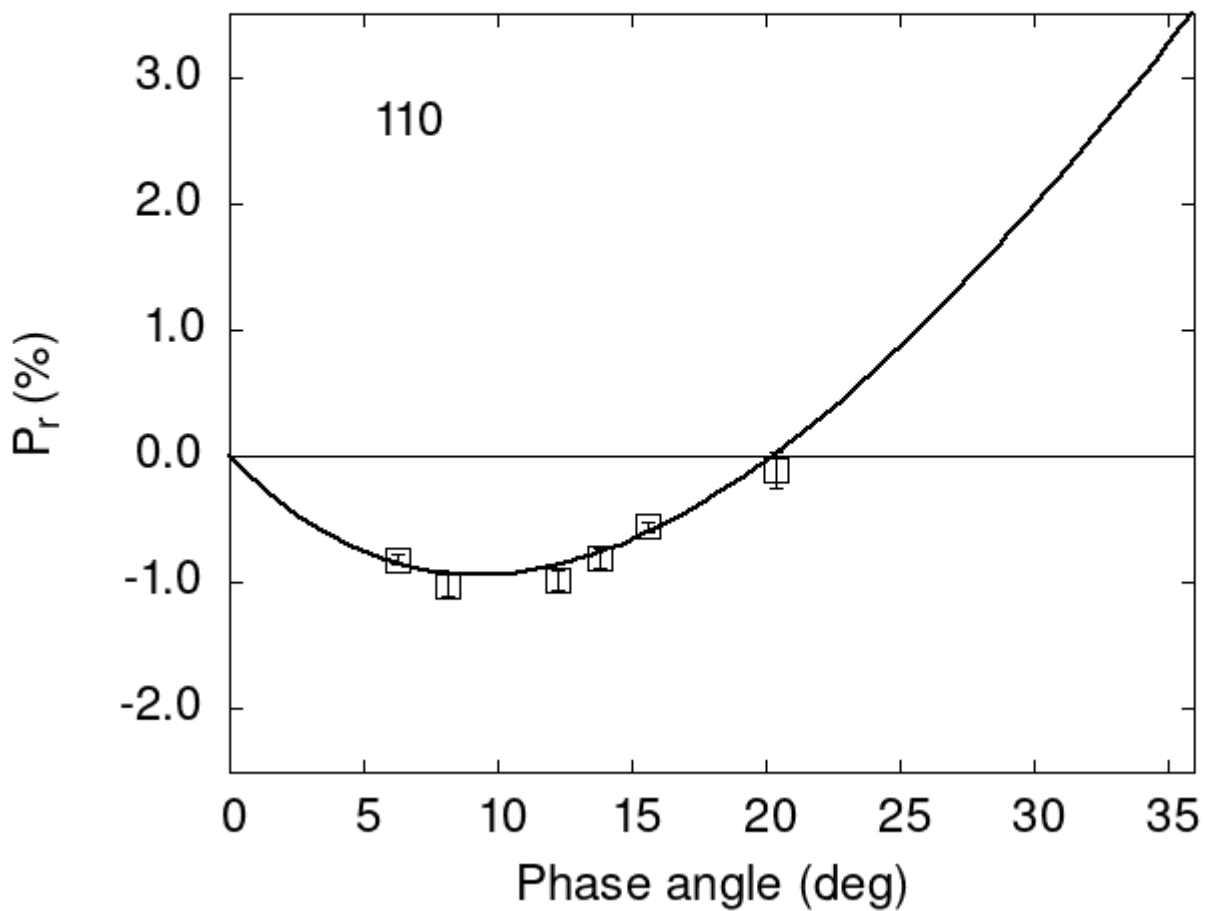


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

```
110  8.11 -1.02 0.08 V f
110 12.22 -0.98 0.08 V f
110 13.84 -0.81 0.08 V f
110 20.39 -0.11 0.14 V f
110  6.30 -0.82 0.04 V a
110 15.60 -0.56 0.04 V a
```

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```
#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
# 12.00008    0.3686    20.2049    0.6455    0.3750    0.0121
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      9.29    0.96 -0.940    0.208    20.26    0.25    0.1571    0.0138
```